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INFORMATION DISCLOSURE STATEMENT		Atty. Docket No.:		Serial No.:				
		56387US002		09/917,545				
		Applicant(s): Matthew Robert Cole Atkinson						
		Filing Date:		Group:				
		July 27, 2001		Unknown				
U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate	
DPV		5,832,111	11/03/98	Florent, R.	382	171	RECEIVED OCT 05 2001 Technology Center 2600	
↓		5,900,949	05/04/99	Sampas, N. M.	358	483		
		6,199,986	03/13/01	Williams et al.	351	221		
FOREIGN PATENT DOCUMENTS								
		Document Number	Date of Publication	Country	Class	SubClass	Translation	
							Yes No	
DPV		0 176 910 A	04/09/86	EP	G06K	9/32		X
↓		0 617 380 A	09/28/94	EP	G06K	9/64		
		2 294 319 A	04/24/96	GB	G06T	7/60		
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)								
DPV		Russ, John C., The Image Processing Handbook, 2nd ed., CRC Press 1995, pp. 394 – 396 and pp. 416 – 418.						
		Farrow, G. S. D. et al., "Detecting The Skew Angle In Document Images", <i>Signal Processing, Image Communication</i> , NL, Elsevier Science Publishers, Amsterdam, Vol. 6, No. 2, May 1, 1994, pp. 101 – 114.						
		Yu, B. et al., "A Robust And Fast Skew Detection Algorithm For Generic Documents", <i>Pattern Recognition</i> , US, Pergamon Press Inc., Elmsford, NY, Vol. 29, No. 10, October 1, 1996, pp. 1599 – 1629.						
		Srihari, et al., "Analysis Of Textual Images Using The Hough Transform", <i>Machine Vision and Application</i> , DE Springer Verlag, Vol. 2, No. 2, 1989, pp. 141 – 153.						
↓		Baird, Henry S., "The Skew Angle of Printed Documents", Symposium On Hybrid Imaging, 1987, pp. 21 – 24.						
EXAMINER		Date Considered						
S. W. J.		May 17, 04						
* Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Based on Form PTO-FB-A820  
(Also form PTO-1449)  
p:\dahlphil\56387us002 ids 1449.doc 4/1/99

Patent and Trademark Office, U.S. Department of Commerce

Substitute for form 1449/PTO (modified)

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Application Number

09/917545

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First Named Inventor

Atkinson, Matthew R. C.

Art Unit

2621

Examiner Name

Unknown

Attorney Case Number

56387US002

## U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
DPV	A1	US- 5,943,448 A	08/24/1999	Tatsuta, S.	382/270 class/subclass
	A2	US-			
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
DPV	B1	WO	00/04497	01/27/2000	G06T 5/00 class subclass		
	B2						
	B3						
	B4						
	B5						

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
DPV	C1	Yibing Yang et al; "An Adaptive Logical Method For Binarization Of Degraded Document Images", Pattern Recognition, May 2000, Elsevier, U.K. Vol. 33, No. 5, pp. 787 - 807.
	C2	Di Ruberto C, et al; "Morphological Image Processing For Evaluating Malaria Disease", Visual Form 2001, 4 <sup>th</sup> International Workshop on Visual Form IWVF4. Proceedings (Lecture notes in computer science vol. 2059), Visual Form 2001, 4 <sup>th</sup> International Workshop, Capri, Italy, May 28 - 30, 2001, pp. 739 - 748.
	C3	Otsu N; "A Threshold Selection Method From Gray-Level Histograms", IEEE Transactions on Systems, Man, and Cybernetics, IEEE, New York, NY, Vol. 9, No. 1, January 1979, pp. 62 - 66.
	C4	

\*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)